

SEQUENCE LISTING

<110> NAKAI, JUNICHI

<120> METHOD FOR PRODUCING A BIOSENSOR PROTEIN CAPABLE OF REGULATING A FLUORESCENCE PROPERTY OF GREEN FLUORESCENT PROTEIN, AND THE BIOSENSOR PROTEIN PRODUCED BY THE METHOD

<130> 216339US0

<140> 09/989,025

<141> 2001-11-21

<150> JP/2000-356047

<151> 2000-11-22

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<170> PatentIn version 3.1

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	ggc		ctg Leu										192
			cag Gln	_	_	_		_		_	_	_	240
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			aag Lys										336
			gac Asp										384
			gac Asp										432
			aac Asn										480
			ttc Phe 165										528
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Thr Thr Gly Lys I 50	Leu Pro Val I 55	Pro Trp Pro Thr	Leu Val Thr 1	ſhr Leu									
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His Asp Phe Phe I 8	Lys Ser Ala N 85	Met Pro Glu Gly 90		Glu Arg 95									
Thr Ile Phe Phe I	Lys Asp Asp (Gly Asn Tyr Lys 105	Thr Arg Ala G	Glu Val									

Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile 115 120 125

Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn 130 135 140

Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly 145 150 155 160

Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val 165 170 175

Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro 180 185 190

Val Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser 195 200 205

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aat (Asn (336
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Gln Asp Met Ile Asn Glu Val Asp Ala Asp Gly Asn Gly Thr Ile Asp 50 55 60

Phe Pro Glu Phe Leu Thr Met Met Ala Arg Lys Met Lys Asp Thr Asp 65 70 75 80

Ser Glu Glu Glu Ile Arg Glu Ala Phe Arg Val Phe Asp Lys Asp Gly 85 90 95

Asn Gly Tyr Ile Ser Ala Ala Glu Leu Arg His Val Met Thr Asn Leu 100 105 110

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115

		ttc Phe															432
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		ggc Gly															528
		ccc Pro															576
		agc Ser 195															624
tcc Ser	gcc Ala 210	atg Met	ccc Pro	gaa Glu	ggc Gly	tac Tyr 215	gtc Val	cag Gln	gag Glu	cgc Arg	acc Thr 220	atc Ile	ttc Phe	ttc Phe	aag Lys		672
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		gtg Val															768
		atc Ile															816
		gag Glu 275															864
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		gta Val														1	800.

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	 	aag gat ggc a Lys Asp Gly A		
		aca aac ctt of Thr Asn Leu 0 380		
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Asp Lys Gln Lys Asn Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn 35 40 45

Ile Glu Asp Gly Ser Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr

- Pro Ile Gly Asp Gly Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser 65

 Thr Gln Ser Ala Leu Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met 95
- Val Leu Leu Glu Phe Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp 100 105 110
- Glu Leu Tyr Lys Gly Gly Thr Gly Gly Ser Met Val Ser Lys Gly Glu 115 120 125
- Glu Leu Phe Thr Gly Val Val Pro Ile Leu Val Glu Leu Asp Gly Asp 130 135 140
- Val Asn Gly His Lys Phe Ser Val Ser Gly Glu Gly Glu Gly Asp Ala 145 150 155 160
- Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys Thr Thr Gly Lys Leu 165 170 175
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- Cys Phe Ser Arg Tyr Pro Asp His Met Lys Gln His Asp Phe Phe Lys 195 200 205
- Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg Thr Ile Phe Phe Lys 210 215 220
- Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val Lys Phe Glu Gly Asp 225 230 235 240
- Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile Asp Phe Lys Glu Asp 245 250 255
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260 265 270

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Lys Asp Gly Asp Gly Thr Ile Thr Thr Lys Glu Leu Gly Thr Val Met 290 295 300

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Leu Thr Met Met Ala Arg Lys Met Lys Asp Thr Asp Ser Glu Glu Glu 340 345 350

Ile Arg Glu Ala Phe Arg Val Phe Asp Lys Asp Gly Asn Gly Tyr Ile 355 360 365

Ser Ala Ala Glu Leu Arg His Val Met Thr Asn Leu Gly Glu Lys Leu 370 380

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